

FIG. 2

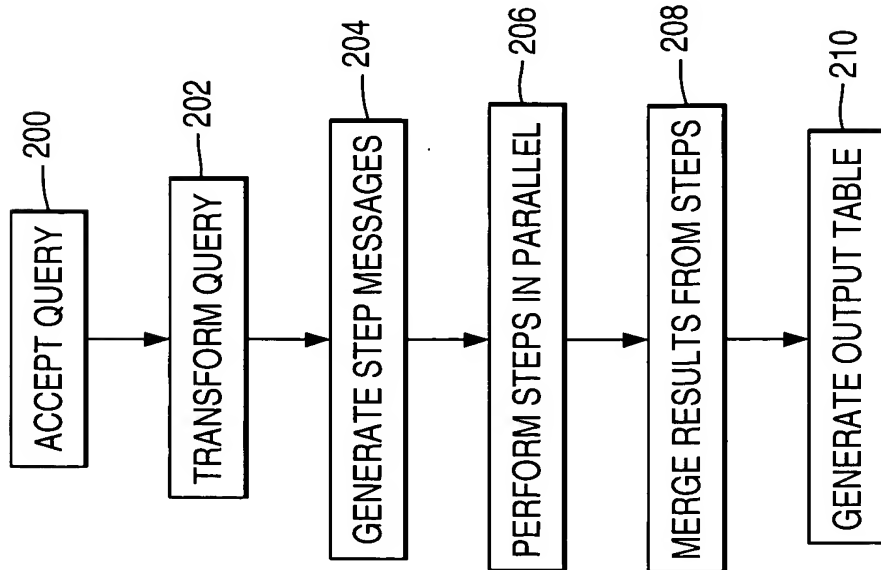
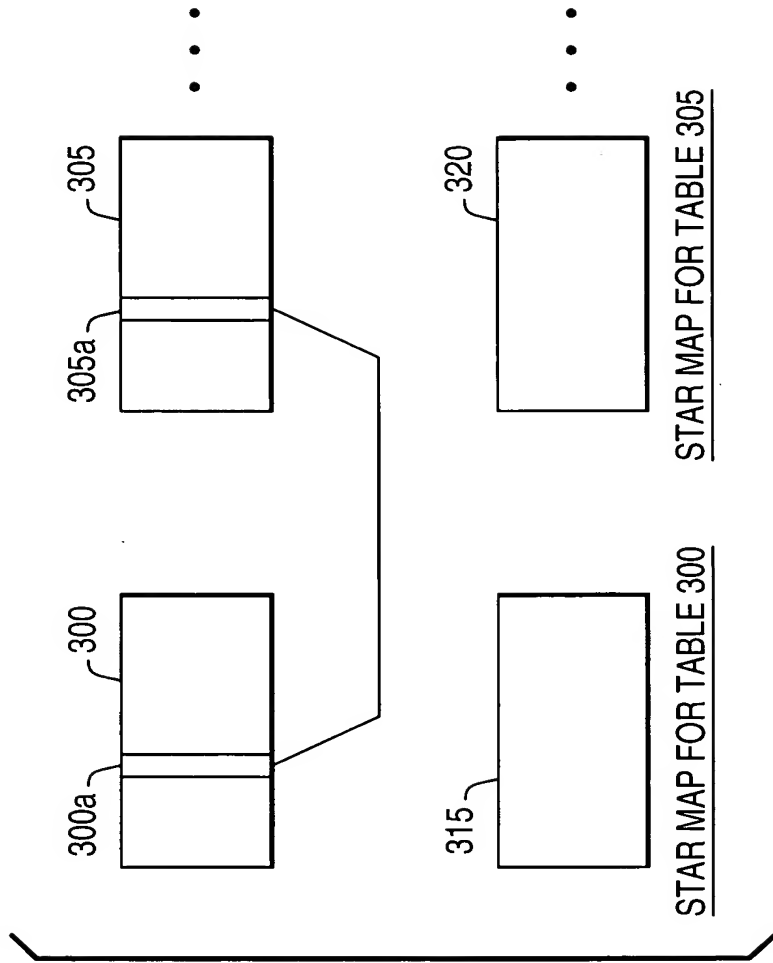


FIG. 3



Replacement Sheet

Title: Optimizing an Exclusion Join Operation Using a Bitmap Index Structure

Inventor: Bhashyam Ramesh

U.S. Serial Number: 10/038,783

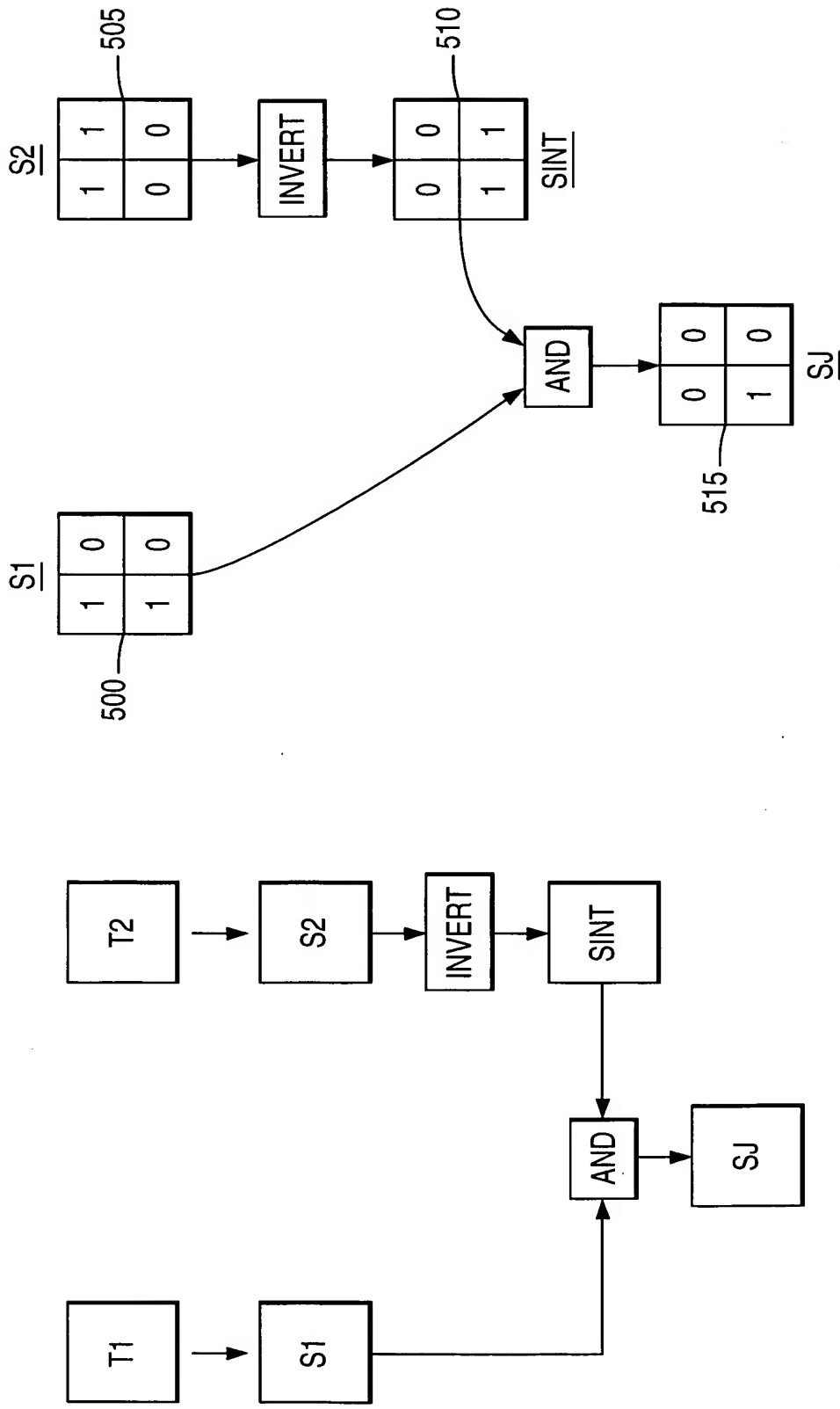


FIG. 5

Replacement Sheet

Title: Optimizing an Exclusion Join Operation Using a Bitmap Index Structure

Inventor: Bhashyam Ramesh

U.S. Serial Number: 10/038,783

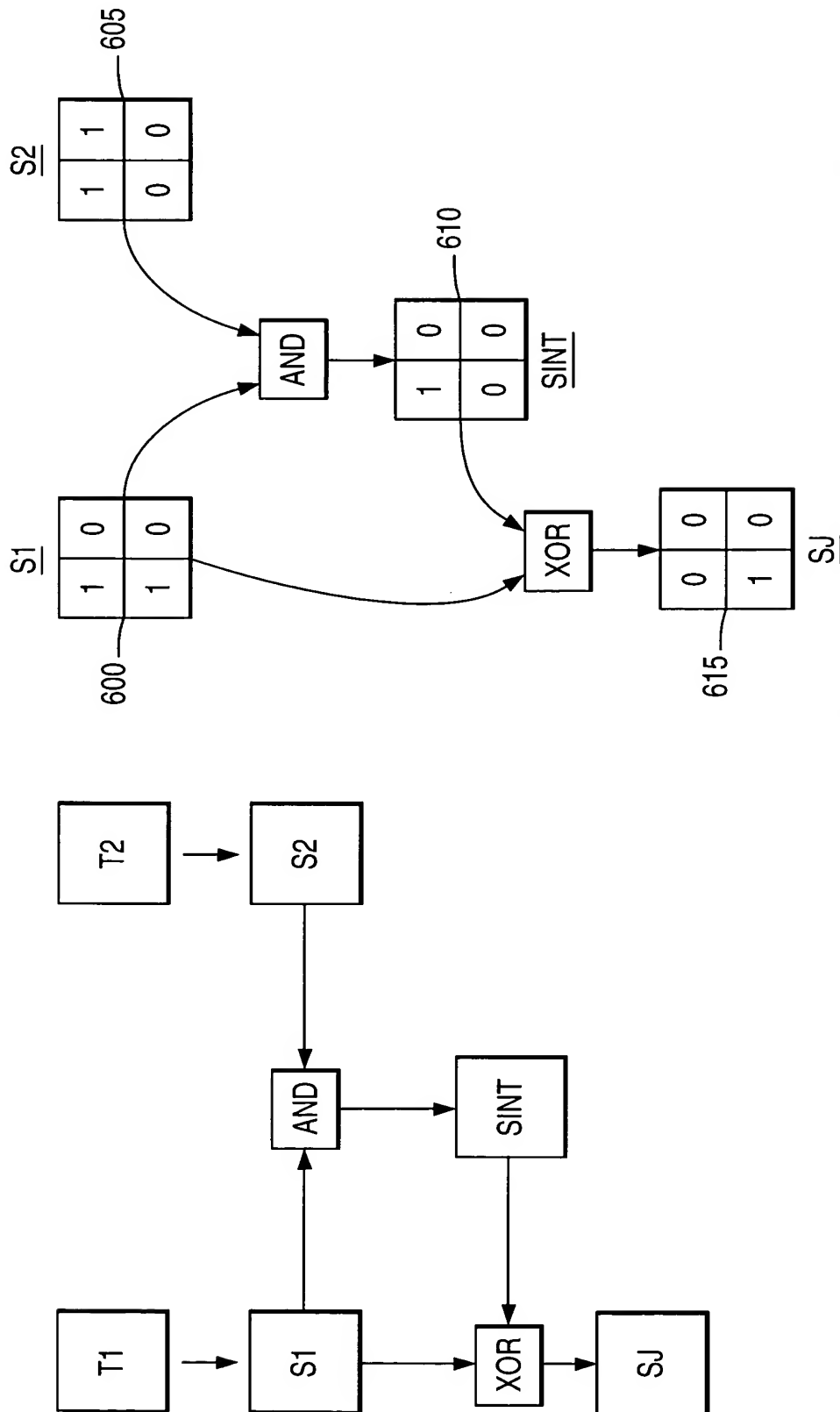


FIG. 6

Replacement Sheet

Title: Optimizing an Exclusion Join Operation Using a Bitmap Index Structure

Inventor: Bhashyam Ramesh

U.S. Serial Number: 10/038,783

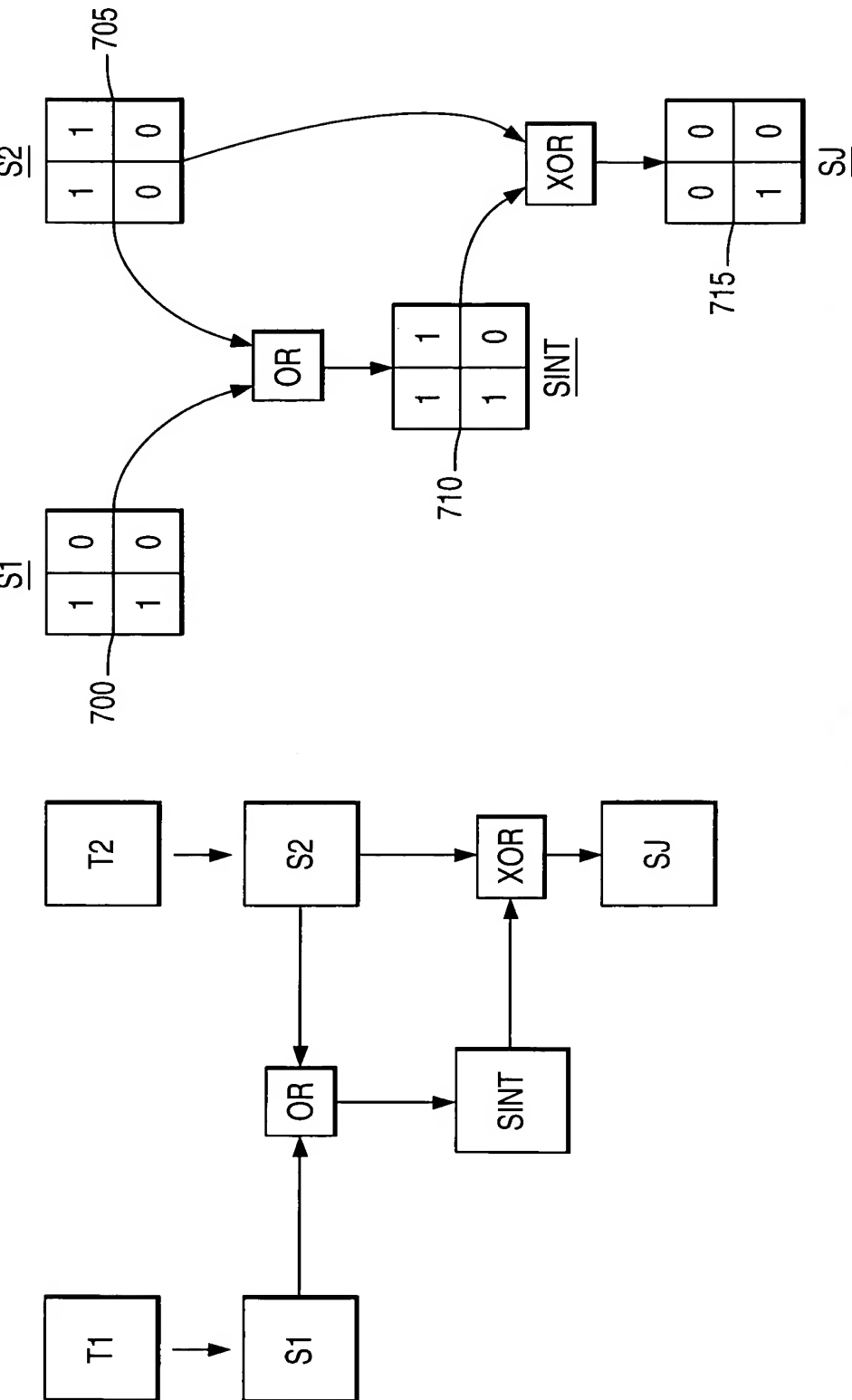


FIG. 7

